



Sheet 1 of 5

**FORM PTO-1449**  
**INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)**

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Applicant: He Huang, et al.  
Title: SYSTEM AND METHOD FOR  
THERMAL MANAGEMENT

U.S. Serial No.: 10/657,299  
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Group Art Unit: ~~3746~~ 1724

**U.S. PATENT DOCUMENTS**

<u>Examiner's Initials</u>	<u>Patent Number</u>	<u>Patent Date</u>	<u>Name</u>	<u>Class Subclass</u>
<u>RHS</u>	6,415,595	07/09/02	Wilmot, Jr, et al.	60/39.07
<u>RHS</u>	5,337,553	08/16/94	Barr	60/39.02
<u>RHS</u>	5,313,790	05/24/94	Barr	60/267
<u>RHS</u>	4,505,124	03/19/85	Mayer	62/180
<u>RHS</u>	4,371,385	02/01/83	Johnson	96/196
<u>RHS</u>	4,399,035	08/16/83	Nohmi, et al.	210/500.23
<u>RHS</u>	4,516,984	05/14/85	Warner, et al.	95/46
<u>RHS</u>	4,542,010	09/17/85	Roman, et al.	423/579
<u>RHS</u>	4,602,923	07/29/86	Bernstein	96/172
<u>RHS</u>	4,636,307	01/13/87	Inoue, et al.	210/188
<u>RHS</u>	4,705,100	11/10/87	Black, et al.	165/202
<u>RHS</u>	4,729,773	03/08/88	Shirato, et al.	96/6
<u>RHS</u>	4,751,104	06/14/88	Kulprathipanja, et al.	427/565
<u>RHS</u>	4,776,536	10/11/88	Hudson, et al.	244/135R
<u>RHS</u>	4,919,856	04/24/90	Anazawa, et al.	264/413
<u>RHS</u>	4,955,992	09/11/90	Goodale, et al.	96/197
<u>RHS</u>	5,053,060	10/01/91	Kopf-Sill, et al.	95/46
<u>RHS</u>	5,078,755	01/07/92	Tozawa, et al.	95/46
<u>RHS</u>	5,090,971	02/25/92	Barbier	95/45
<u>RHS</u>	5,123,937	06/23/92	Shibata, et al.	95/46
<u>RHS</u>	5,154,832	10/13/92	Yamamura, et al.	210/640
<u>RHS</u>	5,250,184	10/05/93	Maier	210/653
<u>RHS</u>	5,340,384	08/23/94	Sims	96/6
<u>RHS</u>	5,363,641	11/15/94	Dixon, et al.	60/778
<u>RHS</u>	5,410,052	04/25/95	Smith, et al.	544/224
<u>RHS</u>	5,482,860	01/09/96	Copeland, et al.	435/293.1
<u>RHS</u>	5,507,150	04/16/96	Weber, et al.	62/100
<u>RHS</u>	5,522,917	06/04/96	Honda, et al.	95/46
<u>RHS</u>	5,575,910	11/19/96	Karbachs, et al.	210/321.75
<u>RHS</u>	5,619,956	04/15/97	Koziara, et al.	123/41.31
<u>RHS</u>	5,637,544	06/10/97	Shadman	502/4

<u>RHS</u>	5,693,122	12/02/97	Berndt	96/6
<u>RHS</u>	5,695,545	12/09/97	Cho, et al.	95/46
<u>RHS</u>	5,725,611	03/10/98	Wright, et al.	44/375
<u>RHS</u>	5,725,756	03/10/98	Subramaniam, et al.	208/48R
<u>RHS</u>	5,743,110	04/28/98	Laude-Bousquet	62/434
<u>RHS</u>	5,788,742	08/04/98	Sugimoto, et al.	95/46
<u>RHS</u>	5,888,275	03/30/99	Hamasaki, et al.	96/6
<u>RHS</u>	5,902,382	05/11/99	Campain, et al.	96/161
<u>RHS</u>	5,902,747	05/11/99	Nemser, et al.	435/325
<u>RHS</u>	6,036,780	03/14/00	Helm, et al.	118/713
<u>RHS</u>	6,105,370	08/22/00	Weber	60/733
<u>RHS</u>	6,106,591	08/22/00	Keskar, et al.	95/54
<u>RHS</u>	20010035093	11/01/01	Yokota	96/8
<u>RHS</u>	20020020666	02/21/02	Cote, et al.	210/605
<u>RHS</u>	20020045076	04/18/02	Dieckmann, et al.	429/17
<u>RHS</u>	20020195385	12/26/02	Cho, et al.	210/321.83
<u>RHS</u>	20030000131	01/02/03	Henry, et al.	44/437
<u>RHS</u>	20030110947	06/19/03	Kita, et al.	96/4
<u>RHS</u>	20030116015	06/26/03	Sengupta, et al.	95/46
<u>RHS</u>	20030116491	06/26/03	Yamazaki, et al.	210/188
<u>RHS</u>	20030116678	06/26/03	Gardner	244/117A
<u>RHS</u>	20030129108	07/10/03	Burch, et al.	422/188
<u>RHS</u>	6,168,648	01/02/01	Ootani, et al.	95/46
<u>RHS</u>	6,176,903	01/23/01	Wamsiedler	96/208
<u>RHS</u>	6,182,435	02/06/01	Niggemann, et al.	60/772
<u>RHS</u>	6,209,794	04/03/01	Webster, et al.	236/94
<u>RHS</u>	6,228,146	05/08/01	Kuespert	95/46
<u>RHS</u>	6,258,154	07/10/01	Berndt, et al.	96/6
<u>RHS</u>	6,305,156	10/23/01	Lui	60/785
<u>RHS</u>	6,309,444	10/30/01	Sims, et al.	95/46
<u>RHS</u>	6,315,815	11/13/01	Spadaccini, et al.	95/46
<u>RHS</u>	6,330,825	12/18/01	Harness, et al.	73/118.1
<u>RHS</u>	6,357,237	03/19/02	Candy, et al.	60/737
<u>RHS</u>	6,379,796	04/30/02	Uenishi, et al.	428/398
<u>RHS</u>	6,402,810	06/11/02	Mayer, et al.	95/46
<u>RHS</u>	6,402,818	06/11/02	Sengupta	96/6
<u>RHS</u>	6,415,595	07/09/02	Wilmot, Jr., et al.	60/785
<u>RHS</u>	6,471,869	10/29/02	Yanou, et al.	210/651
<u>RHS</u>	6,537,514	03/25/03	Prasad, et al.	423/437.1
<u>RHS</u>	6,582,496	06/24/03	Cheng, et al.	95/46
<u>RHS</u>	6,494,938	12/17/02	Sims, et al.	96/6

**FOREIGN PATENT DOCUMENTS**

<u>Examiner's Initials</u>	<u>Document Number</u>	<u>Date</u>	<u>Country</u>	<u>Translation</u>	
				<u>Yes</u>	<u>No</u>
RHS	0356177	02-28-1990	EP	Abstract	
RHS	0493869	07-08-1992	EP	Abstract	
RHS	0583748	02-23-1994	EP	Abstract	
RHS	0622475	11-02-1994	EP	Abstract	
RHS	0796649	09-24-1997	EP	Abstract	
RHS	0970738	01-12-2000	EP	Abstract	
RHS	1018353	07-12-2000	EP	Abstract	
RHS	1052011	11-15-2000	EP	Abstract	
RHS	1210971	06-05-2002	EP	Abstract	
RHS	0276789	08-03-1988	EP	Abstract	
RHS	0354797	02-14-1990	EP	Abstract	
RHS	1095691	05-02-2001	EP	Abstract	
RHS	1166859	01-02-2002	EP	Abstract	
RHS	1239189	09-11-2002	EP	Abstract	
RHS	1270063	01-02-2003	EP	Abstract	
RHS	1277504	01-22-2003	EP	Abstract	
RHS	1329617	07-23-2003	EP	Abstract	
RHS	0273267	07-06-1988	EP	Abstract	
RHS	0305787	03-08-1989	EP	Abstract	
RHS	0460512	12-11-1991	EP	Abstract	
RHS	0492801	07-01-1992	EP	Abstract	
RHS	0552090	07-21-1993	EP	Abstract	
RHS	0576677	01-05-1994	EP	Abstract	
RHS	0747112	12-11-1996	EP	Abstract	
RHS	0750322	12-27-1996	EP	Abstract	
RHS	0916835	05-19-1999	EP	Abstract	
RHS	0963229	09-10-2002	EP	Abstract	
RHS	JP3038231	02-19-1991	JP	Abstract	
RHS	JP3154686	07-02-1991	JP	Abstract	
RHS	JP3169304	07-23-1991	JP	Abstract	
RHS	JP3193106	08-22-1991	JP	Abstract	
RHS	JP4036178	02-06-1992	JP	Abstract	
RHS	JP4118004	04-20-1992	JP	Abstract	
RHS	JP4250830	09-07-1992	JP	Abstract	
RHS	JP5084474	04-06-1993	JP	Abstract	
RHS	JP5317605	12-03-1993	JP	Abstract	
RHS	JP6121902	05-06-1994	JP	Abstract	
RHS	JP6121920	05-06-1994	JP	Abstract	
RHS	JP7080205	03-28-1995	JP	Abstract	
RHS	JP7227504	08-29-1995	JP	Abstract	
RHS	JP8000906	01-09-1996	JP	Abstract	

<u>RHS</u>	JP8290044	11-05-1996	JP	Abstract
<u>RHS</u>	JP8332306	12-17-1996	JP	Abstract
<u>RHS</u>	JP10028805	02-03-1998	JP	Abstract
<u>RHS</u>	JP10165936	06-23-1998	JP	Abstract
<u>RHS</u>	JP10174803	06-30-1998	JP	Abstract
<u>RHS</u>	JP10216404	10-03-2000	JP	Abstract
<u>RHS</u>	JP11009902	01-19-1999	JP	Abstract
<u>RHS</u>	JP11033373	02-09-1999	JP	Abstract
<u>RHS</u>	JP11114308	04-27-1999	JP	Abstract
<u>RHS</u>	JP11114309	04-27-1999	JP	Abstract
<u>RHS</u>	JP11244607	09-14-1999	JP	Abstract
<u>RHS</u>	JP11342304	12-14-1999	JP	Abstract
<u>RHS</u>	JP2000051606	02-22-2000	JP	Abstract
<u>RHS</u>	JP2000084368	03-28-2000	JP	Abstract
<u>RHS</u>	JP2000117068	04-25-2000	JP	Abstract
<u>RHS</u>	JP2000140505	05-23-2000	JP	Abstract
<u>RHS</u>	JP2000262871	09-26-2000	JP	Abstract
<u>RHS</u>	JP2000288366	10-17-2000	JP	Abstract
<u>RHS</u>	JP2000350902	12-19-2000	JP	Abstract
<u>RHS</u>	JP2000354857	12-26-2000	JP	Abstract
<u>RHS</u>	JP2001286702	10-16-2001	JP	Abstract
<u>RHS</u>	JP2002370006	12-24-2002	JP	Abstract
<u>RHS</u>	JP2003010604	01-14-2003	JP	Abstract
<u>RHS</u>	JP2003062403	03-04-2003	JP	Abstract
<u>RHS</u>	JP2003094687	04-03-2003	JP	Abstract
<u>RHS</u>	JP63151307	06-23-1988	JP	Abstract
<u>RHS</u>	WO0044479	08-03-2000	WO	Abstract
<u>RHS</u>	WO02062446	08-15-2002	WO	Abstract
<u>RHS</u>	WO03036747	05-01-2003	WO	Abstract
<u>RHS</u>	WO9416800	08-04-1994	WO	Abstract
<u>RHS</u>	WO9601683	07-18-2000	WO	Abstract
<u>RHS</u>	WO9702190	01-10-1997	WO	Abstract
<u>RHS</u>	WO9728891	06-13-2000	WO	Abstract
<u>RHS</u>	WO9844255	10-08-1998	WO	Abstract
<u>RHS</u>	WO9939811	02-10-1998	WO	Abstract
<u>RHS</u>	WO0044482	08-03-2000	WO	Abstract
<u>RHS</u>	WO02059987	08-01-2002	WO	Abstract
<u>RHS</u>	WO02077130	10-03-2002	WO	Abstract
<u>RHS</u>	WO03029744	04-10-2003	WO	Abstract

**OTHER DOCUMENTS**

Examiner's  
Initials

PH

Air Force Research Laboratory, Monthly Accomplishment  
Report (PROPULSION DIRECTORATE) March 2003, \ .  
pps. 1-8

PH

Air Force Wright Aeronautical Laboratories, Interim Report for  
March 1987-July 1988, i-vi, pps. 1-22

EXAMINER

DATE CONSIDERED

Robert H. Spitzer

November 22, 2004

**EXAMINER:**

Initial if citation considered, whether or not citation is in  
conformance with MPEP 609. Draw line through citation if  
not in conformance and not considered. Include copy of this  
form with next communication to applicant(s).